

ABSTRACT OF THE DISCLOSURE

An apparatus in a total knee replacement and arthroplasty operation for measuring a joint gap and ligament balance between a osteotomized surface at a femoral distal end and a osteotomized surface at a tibial proximal end. The apparatus is provided with a base 10, from which an engaging plate 14 extends by way of an arm, so that the engaging plate 14 contacts with the osteotomized surface at the tibial proximal end. A moving body 18 is vertically movably connected to the base 10, from which moving body 18 an arm 20 extends, to which arm a supporting plate 22 is rotatably mounted about a central axis. The supporting plate 22 has, at its top surface, a projected portion 48. to which an auxiliary guiding piece 50 is connected under a snap like fitted manner. A femoral component 52 is mounted, at its groove portion 54, to the osteotomized surface at the femoral distal end. The engaging plate 14 as well as the supporting plate 22 are under an offset arrangement with respect to the base and moving body, respectively.